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March 9, 2009

Michael A. Lewis
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Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

Re: Notice of Ex Parte Presentation: WT Docket No. 07-293 and IB Docket No. 95-91

Dear Ms. Dortch:

On March 6, 2009, representatives from Sirius XM Radio Inc. ("Sirius XM") attended a meeting with FCC staff and representatives from the WCS Coalition to discuss technical issues associated with the above captioned proceeding.

Attending the meeting from Sirius XM were James Blitz, Terrence Smith, Riza Akturan and Doug Ayerst. Robert Pettit of Wiley Rein LLP and I also attended on behalf of Sirius XM. The list of FCC participants is attached.

During the meeting, Sirius XM presented the attached slides, which provide further explanation of the set-up and methodology underlying the video submitted into this proceeding by Sirius XM, demonstrating the harmful effects on satellite radio reception from mobile WCS devices.[1] Sirius XM also participated in related discussions with FCC staff and WCS Coalition participants on further steps to resolve the current impasse between WCS and satellite radio operations on the use of the 2.3 GHz band.

Sincerely,

/*S*/ *Michael A. Lewis*
Michael A. Lewis
Engineering Advisor
Wiley Rein, LLP

Attachments: List of FCC Participants; Slide Presentation

[1] Letter from Robert L. Pettit, Counsel for Sirius XM Radio Inc., to Marlene H. Dortch, Secretary, Federal Communications Commission, WT Docket No. 07-293, February 09, 2008.

WCS and Sirius XM Meeting with FCC Staff
March 6, 2009

List of FCC Participants

Office of Engineering and Technology:

1. Julius Knapp
2. Steve Martin
3. Walter Johnson
4. Patrick Forster
5. Ahmed Lahjouji
6. Salomon Satche
7. Robert Weller
8. Alan Stillwell

Wireless Telecommunications Bureau:

9. James Schlichting
10. Linda Chang
11. Roger Noel

International Bureau:

12. Chip Fleming
13. Stephen Duall
14 Gardner Foster

ROAD TESTS SHOWING POTENTIAL FOR INTERFERENCE FROM MOBILE AND PORTABLE WCS DEVICES TO SATELLITE RADIO RECEIVERS

Test Description and Set Up

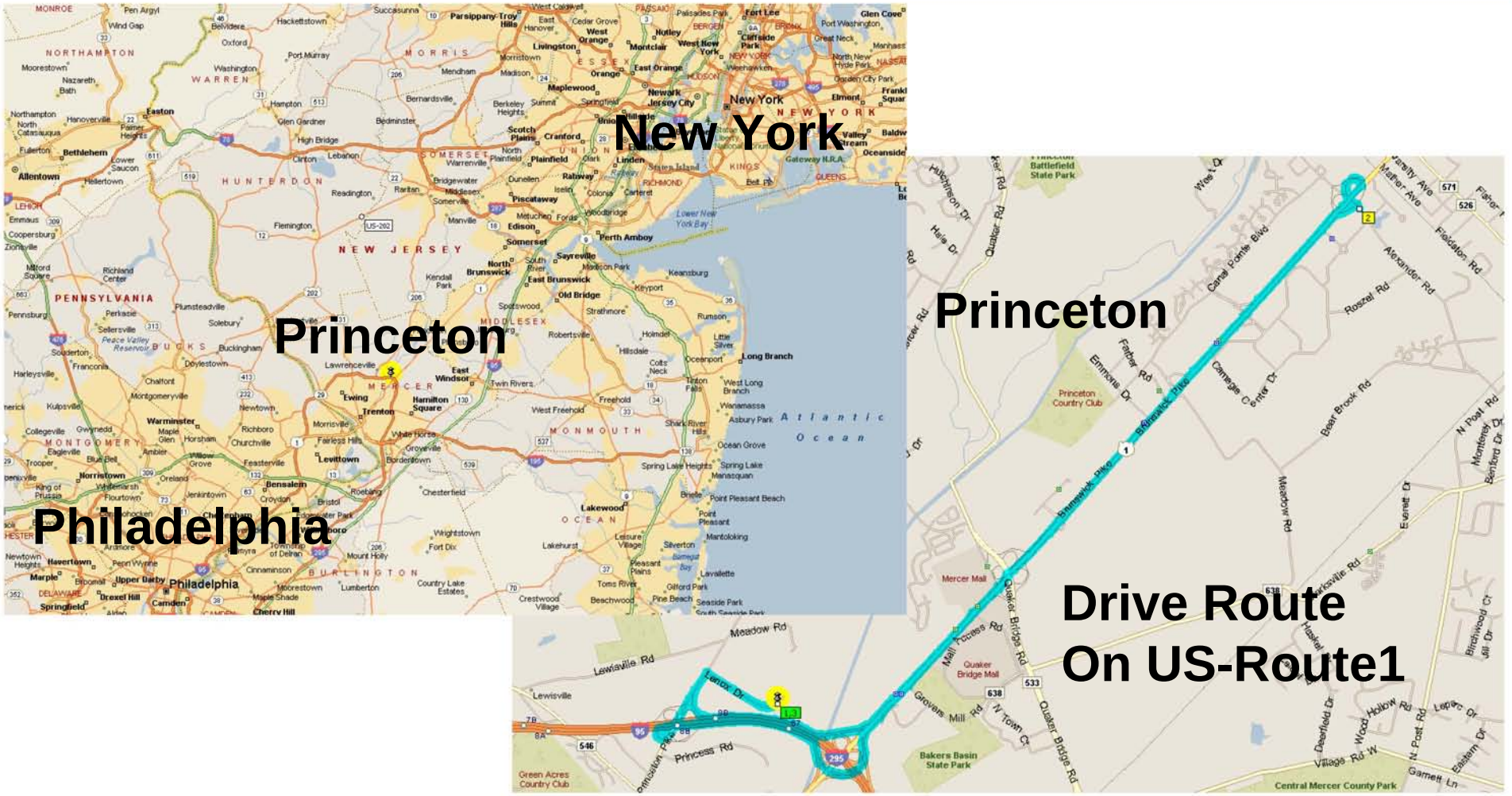
Test Description

- In January, 2009, Sirius XM videotaped the results of road tests to examine the level of interference likely to be experienced by Sirius XM customers when operated in the vicinity of mobile WCS transmitters.
- These tests were performed solely by Sirius XM personnel under the authority of experimental license WE2XSS.
- The results of these tests (including video) have been submitted into the records of IB Docket No. 95-91 and WT Docket No. 07-293 on February 9, 2009.

Test Description (Cont.)

- The test involved two vehicles under control of the Sirius XM personnel. One vehicle contained equipment necessary to generate a mobile WiMAX waveform. The frequency of operations were limited to the WCS B (lower), C and D blocks. The WCS antenna was located inside the vehicle.
- A second vehicle was equipped with both Sirius and XM satellite radio receivers.
- Both vehicles were driven on commuter roads in and around Princeton, New Jersey. The tests were conducted in the morning between the hours of 8:00 am and 10:00 am.
- The test location receives relatively strong signals from both Sirius and XM satellites. There is minimal terrestrial repeater service along the test route.
- Sirius XM personnel recorded the audio output from the satellite radio receivers when the "interfering vehicle" was in close proximity. Sirius XM personnel also videotaped the event to demonstrate the separation distances when interference occurs.

Test Location and Drive Route



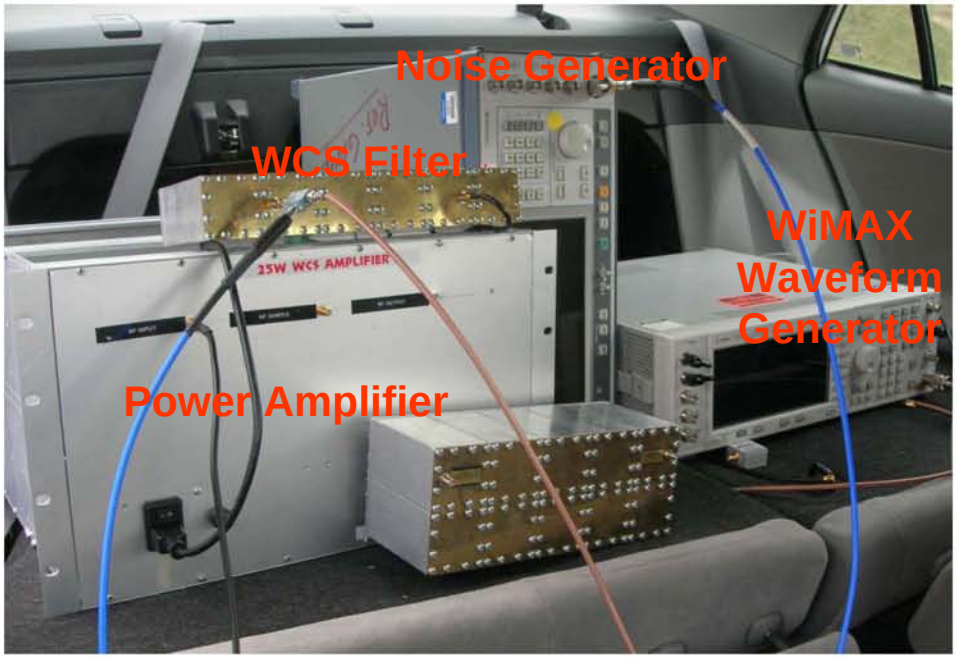
- Princeton, NJ equidistant between Philadelphia and New York City

Test Vehicles

“Interfering Vehicle”
Equipped with WCS WiMAX Transmitter

“Victim Vehicle”
Equipped with Satellite Radio Receivers

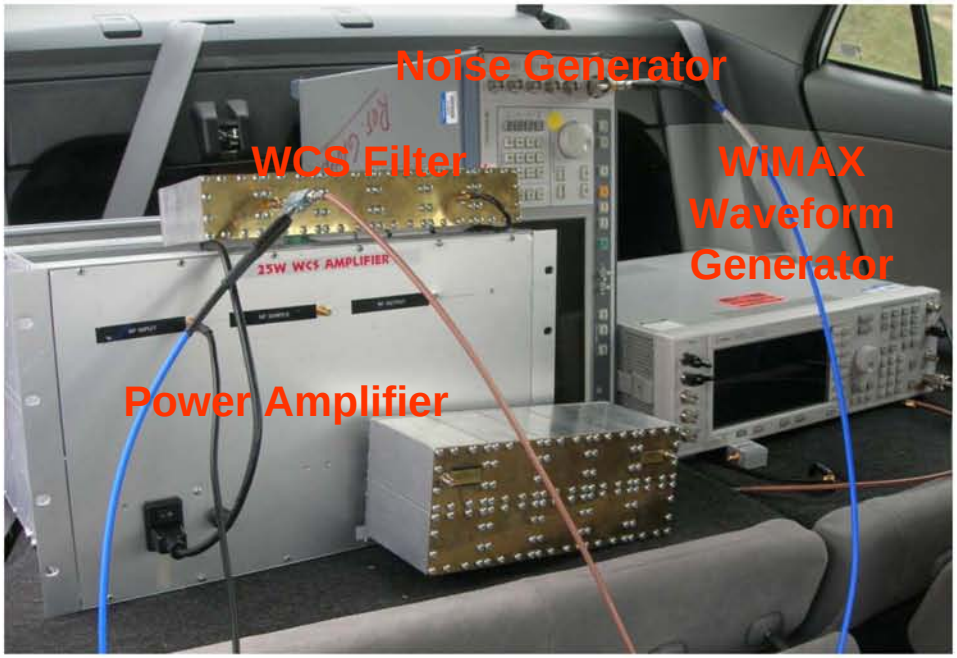
WCS Interference Generator and Vehicle Setup



WCS Transmitter Setup

- Mobile WiMAX signal generator with proper amplification and filtering to provide the following emission profiles:
  - D Block: 150 mW transmit power, 55 + 10logP OOBE noise mask at Satellite Radio spectrum
  - C Block: 150 mW transmit power, 60 + 10logP OOBE noise mask at Satellite Radio spectrum
  - B(lower) Block: 250 mW transmit power, 60 + 10logP OOBE noise mask at Satellite Radio spectrum

WCS Interference Generator Setup



WCS Dipole Antenna

WiMAX Gen. ESG 4483C

AWGN Gen. SMIQ-03

Amplifier SM2025-44L

Channel Filter

Coupler

WCS transmitter setup includes:

- An Agilent Mobile WiMAX signal generator
- An AWGN noise generator
- An amplifier
- A WCS channel filter
- A coupler
- A WCS antenna

Satellite Radio Vehicle

- The Sirius and XM receiver antennas were mounted on the roof using typical installation techniques
- The installed satellite receivers were the Sirius Starmate and XM SkyFi2 receivers. The chip sets in these receivers are more widely used than any other chip sets in active Sirius and XM radios (both after-market and OEM) and, therefore, are most typical of the Sirius and XM radios currently used by subscribers.
- An XM upper-ensemble channel and a Sirius channel is monitored for interference and muting.
- Video/Audio recording of radio output and visual of WCS interference vehicle

Test Cases

The submitted video details the results of a variety of test cases were the frequency of operation and the operating location of the WCS device was varied. The following test cases were shown:

- **Test 1: Handheld-use case, WCS D block emitter (interference to XM receiver).**
- **Test 2: Handheld-use case, WCS D block emitter (interference to XM receiver).**
- **Test 3: Handheld-use case, WCS D block emitter (interference to XM receiver).**
- **Test 4: Handheld-use case, WCS C block emitter (interference to Sirius receiver).**
- **Test 5: Handheld-use case, WCS B(lower) block emitter (interference to Sirius receiver).**
- **Test 6: Handheld-use case, WCS B(lower) block emitter (interference to Sirius receiver).**
- **Test 7: Laptop-use case, WCS C block emitter (interference to Sirius receiver).**
- **Test 8: Dashboard-use case, WCS C block emitter (interference to Sirius receiver).**